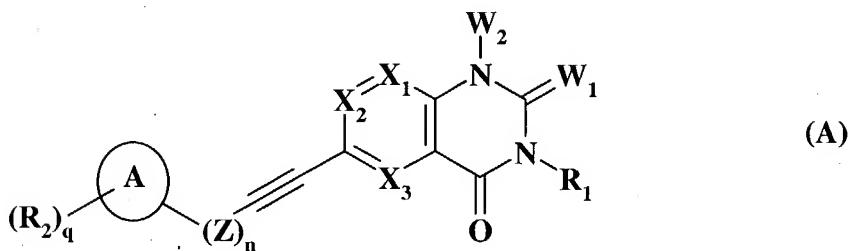


## CLAIMS

What is claimed is:

1. A combination, comprising valdecoxib, or a pharmaceutically acceptable salt thereof, and an allosteric alkyne inhibitor of MMP-13 of Formula (A)



(A)

or a pharmaceutically acceptable salt thereof, or an N-oxide thereof,  
wherein:

10 W<sub>1</sub> is O, S, or NR<sub>3</sub>, wherein R<sub>3</sub> is hydrogen, (C<sub>1</sub>-C<sub>6</sub>)alkyl, hydroxyl or cyano;  
W<sub>2</sub> is selected from :  
hydrogen;  
trifluoromethyl;  
NH<sub>2</sub>;  
15 (C<sub>1</sub>-C<sub>10</sub>)alkylN(H);  
[(C<sub>1</sub>-C<sub>10</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>10</sub>)alkyl moiety is the same or  
different;  
(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
(C<sub>3</sub>-C<sub>6</sub>)alkenyl;  
20 (C<sub>3</sub>-C<sub>6</sub>)alkynyl;  
phenyl;  
naphthyl;  
phenyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl;  
naphthyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl;  
25 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl;  
an aromatic 5-membered or 6-membered monocyclic heterocycle  
comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S,  
N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

a nonaromatic 5-membered or 6-membered monocyclic heterocycle comprising carbon atoms and from 1 to 3 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

5 wherein in W<sub>2</sub> each (C<sub>1</sub>-C<sub>10</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>3</sub>-C<sub>6</sub>)alkenyl, (C<sub>3</sub>-C<sub>6</sub>)alkynyl, phenyl, naphthyl, phenyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl, naphthyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl, aromatic heterocycle, and nonaromatic heterocycle group is independently unsubstituted or substituted by from 1 to 3 groups, which may be identical or different, selected from halo, NH<sub>2</sub>, (C<sub>1</sub>-C<sub>10</sub>)alkylN(H), [(C<sub>1</sub>-C<sub>10</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>10</sub>)alkyl moiety is the same or different, cyano, trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)acyl, C(=O)OR<sub>4</sub>, -OR<sub>4</sub>, and SR<sub>4</sub>;

10 R<sub>4</sub> is hydrogen or (C<sub>1</sub>-C<sub>6</sub>)alkyl; or

W<sub>2</sub> and W<sub>1</sub> may be taken together to form a diradical group W<sub>2</sub>-W<sub>1</sub> of formula

W<sub>3</sub>=X<sub>4</sub>-N;

15 W<sub>3</sub> is N or CR<sub>5</sub> wherein R<sub>5</sub> is selected from:

hydrogen;

OR<sub>6</sub>;

SR<sub>6</sub>;

(C<sub>1</sub>-C<sub>6</sub>)alkyl;

20 (C<sub>3</sub>-C<sub>8</sub>)cycloalkyl;

a saturated heterocycle comprising from 3 to 8 ring members which are carbon atoms and one heteroatom selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

phenyl;

25 naphthyl;

(C<sub>5</sub>-C<sub>10</sub>)heteroaryl comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

phenyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl; and

naphthyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

30 R<sub>6</sub> is selected from hydrogen, (C<sub>1</sub>-C<sub>6</sub>)alkyl, phenyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl, and naphthyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

wherein in  $W_3$  each  $(C_1-C_6)$ alkyl,  $(C_3-C_8)$ cycloalkyl, saturated heterocycle, phenyl, naphthyl,  $(C_5-C_{10})$ heteroaryl, phenyl- $(C_1-C_{10})$ alkyl, and naphthyl- $(C_1-C_{10})$ alkyl group is independently unsubstituted or substituted by  $(CH_2)_p-OH$  or  $(CH_2)_p-NH_2$ ;

5 p is an integer of from 0 to 4 inclusive;

$X_4$  is N or CR<sub>7</sub>, wherein R<sub>7</sub> is selected from:

hydrogen;

NR<sub>8</sub>R<sub>9</sub>;

OR<sub>8</sub>;

10 SR<sub>8</sub>;

$(C_1-C_6)$ alkyl;

$(C_3-C_8)$ cycloalkyl;

a saturated heterocycle comprising from 3 to 8 ring members which are carbon atoms and one heteroatom selected from O, S, N(H), and N- $(C_1-C_{10})$ alkyl;

15 phenyl;

naphthyl;

$(C_5-C_{10})$ heteroaryl comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S, N(H), and N- $(C_1-C_{10})$ alkyl;

20 phenyl- $(C_1-C_{10})$ alkyl; and

naphthyl- $(C_1-C_{10})$ alkyl;

R<sub>8</sub> and R<sub>9</sub> are the same or different, and are selected from hydrogen;

$(C_1-C_6)$ alkyl; phenyl- $(C_1-C_{10})$ alkyl; and naphthyl- $(C_1-C_{10})$ alkyl;

wherein in  $X_4$  each  $(C_1-C_6)$ alkyl,  $(C_3-C_8)$ cycloalkyl, saturated heterocycle,

25 phenyl, naphthyl,  $(C_5-C_{10})$ heteroaryl, phenyl- $(C_1-C_{10})$ alkyl, and naphthyl- $(C_1-C_{10})$ alkyl group is independently unsubstituted or substituted by  $(CH_2)_p-OH$  or  $(CH_2)_p-NH_2$ , wherein p is an integer from 0 to 4 inclusive;

$X_1$ ,  $X_2$  and  $X_3$  independently of each other are N or C-R, wherein R is selected from:

30 hydrogen;

$(C_1-C_6)$ alkyl;

hydroxyl;

(C<sub>1</sub>-C<sub>6</sub>)alkoxy;  
halo;  
trifluoromethyl;  
cyano;  
5       nitro;  
S(O)<sub>n1</sub>R<sub>4</sub>, wherein R<sub>4</sub> is as defined above;  
NR<sub>10</sub>R<sub>11</sub>;  
n<sub>1</sub> is an integer of from 0 to 2 inclusive;  
R<sub>10</sub> and R<sub>11</sub> are the same or different, and are independently selected from  
10       hydrogen;  
(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
phenyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl; and  
naphthyl-(C<sub>1</sub>-C<sub>10</sub>)alkyl; or  
R<sub>10</sub> and R<sub>11</sub> may be taken together with the nitrogen atom to which they are  
15       bonded to form a 5-membered or 6-membered ring containing carbon atoms,  
the nitrogen atom to which R<sub>10</sub> and R<sub>11</sub> are attached, and optionally a second  
heteroatom selected from O, S, N(H), and N(C<sub>1</sub>-C<sub>10</sub>)alkyl,  
wherein not more than two of the groups X<sub>1</sub>, X<sub>2</sub>, and X<sub>3</sub> simultaneously are a  
20       nitrogen atom;  
n is an integer of from 0 to 8 inclusive;  
Z is C(R<sub>12</sub>)(R<sub>13</sub>);  
Each R<sub>12</sub> and R<sub>13</sub> independently of each other are selected from:  
hydrogen;  
(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
25       trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl;  
halo;  
NH<sub>2</sub>;  
(C<sub>1</sub>-C<sub>6</sub>)alkylN(H);  
[(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>6</sub>)alkyl moiety is the same or  
30       different;  
OR<sub>4</sub>;  
SR<sub>4</sub>; and

C(=O)OR<sub>4</sub>, wherein R<sub>4</sub> is as defined above; or

R<sub>12</sub> and R<sub>13</sub> on the same carbon atom may be taken together with the carbon atom to which they are attached to form a carbonyl group; and

5 Z can contain 1 carbon-carbon double bond when two R<sub>12</sub> groups are absent and n is an integer of from 2 to 8; and

Z can contain 2 carbon-carbon double bonds when four R<sub>12</sub> groups are absent or three R<sub>12</sub> and one R<sub>13</sub> groups are absent and n is an integer of from 3 to 8; and

Z can contain 1 carbon-carbon triple bond when two each of R<sub>12</sub> and R<sub>13</sub> are absent and n is an integer of from 2 to 8; and

10 Z can contain 2 carbon-carbon triple bonds when four each of R<sub>12</sub> and R<sub>13</sub> are absent and n is an integer of from 4 to 8; and

One C(R<sub>12</sub>)(R<sub>13</sub>) group in Z can be replaced with O, N(H), N(C<sub>1</sub>-C<sub>6</sub>)alkyl, S, S(O), or S(O)<sub>2</sub>;

A is selected from:

15 phenyl;

an aromatic 5-membered or 6-membered monocyclic heterocycle comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

20 a nonaromatic 5-membered or 6-membered monocyte comprising carbon atoms and from 0 to 4 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

naphthyl;

25 an aromatic 8-membered to 12-membered bicyclic comprising two aromatic rings independently selected from 5-membered or 6-membered rings, wherein the rings may be the same or different and bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 1 to 6 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

an aromatic 8-membered to 12-membered bicyclic comprising one aromatic 5-membered or 6-membered ring and one non-aromatic 5-membered or 6-membered ring, wherein the rings may be bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 0

30 to 6 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl; and

a non-aromatic 8-membered to 12-membered bicyclic comprising two non-aromatic rings independently selected from 5-membered or 6-membered rings, wherein the rings may be the same or different and bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 0 to 4 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

5 Each R<sub>2</sub> may be the same or different, and is independently selected from:

- hydrogen;
- (C<sub>1</sub>-C<sub>6</sub>)alkyl;
- halo;
- 10 cyano;
- nitro;
- trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl;
- NR<sub>10</sub>R<sub>11</sub>;
- OR<sub>14</sub>;
- 15 SR<sub>14</sub>;
- S(O)R<sub>14</sub>;
- S(O)<sub>2</sub>R<sub>14</sub>;
- (C<sub>1</sub>-C<sub>6</sub>)acyl;
- (CH<sub>2</sub>)<sub>k</sub>NR<sub>10</sub>R<sub>11</sub>;
- 20 X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>NR<sub>10</sub>R<sub>11</sub>;
- (CH<sub>2</sub>)<sub>k</sub>SO<sub>2</sub>NR<sub>14</sub>R<sub>15</sub>;
- X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>C(=O)OR<sub>14</sub>;
- (CH<sub>2</sub>)<sub>k</sub>C(=O)OR<sub>14</sub>;
- 25 X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>C(=O)NR<sub>14</sub>R<sub>15</sub>;
- (CH<sub>2</sub>)<sub>k</sub>C(=O)NR<sub>14</sub>R<sub>15</sub>; and
- X<sub>6</sub>-R<sub>16</sub>;

X<sub>5</sub> is O, S, N(H), or N(C<sub>1</sub>-C<sub>6</sub>)alkyl;

k is an integer of from 0 and 3 inclusive;

R<sub>10</sub> and R<sub>11</sub> are as defined above;

30 R<sub>14</sub> and R<sub>15</sub> may be the same or different, and independently are hydrogen or (C<sub>1</sub>-C<sub>6</sub>)alkyl;

X<sub>6</sub> is a single bond, -CH<sub>2</sub>-, O, or S, S(O), or S(O)<sub>2</sub>;

$R_{16}$  is selected from:

phenyl;

an aromatic 5-membered or 6-membered monocyclic heterocycle comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S, 5 N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

cyclopentyl;

cyclohexyl; and

a nonaromatic 5-membered or 6-membered monocyclic heterocycle comprising carbon atoms and from 1 to 3 heteroatoms selected from O, S, 10 N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

wherein in  $R_{16}$  each phenyl, aromatic 5-membered or 6-membered, heterocyclic ring, cyclopentyl, cyclohexyl, and non-aromatic 5-membered or 6-membered heterocyclic ring group independently is unsubstituted or substituted with from 1 to 3 groups independently selected from (C<sub>1</sub>-C<sub>6</sub>)alkyl, 15 halo, trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl, hydroxyl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, SH, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, NH<sub>2</sub>, (C<sub>1</sub>-C<sub>6</sub>)alkylN(H), [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>6</sub>)alkyl moiety may be the same or different;

$q$  is an integer of from 0 to 7 inclusive;

$R_1$  is a group selected from:

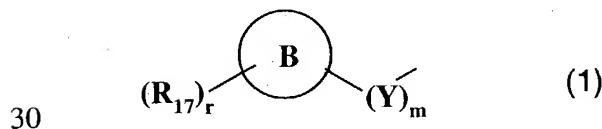
20 hydrogen;

(C<sub>1</sub>-C<sub>6</sub>)alkyl;

(C<sub>3</sub>-C<sub>6</sub>)alkenyl; and

(C<sub>3</sub>-C<sub>6</sub>)alkynyl,

wherein in  $R_1$  each (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>3</sub>-C<sub>6</sub>)alkenyl, and 25 (C<sub>3</sub>-C<sub>6</sub>)alkynyl group is independently unsubstituted or substituted with from 1 to 3 groups independently selected from NH<sub>2</sub>, (C<sub>1</sub>-C<sub>6</sub>)alkylN(H), [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>6</sub>)alkyl moiety may be the same or different, (C<sub>1</sub>-C<sub>6</sub>)alkyl, cyano, trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl, C(=O)OR<sub>4</sub>, OR<sub>4</sub>, SR<sub>4</sub>, wherein R<sub>4</sub> is as defined above, and a group of formula (1)



m is an integer of from 0 to 8 inclusive,

Y is CR<sub>18</sub>R<sub>19</sub>;

Each R<sub>18</sub> and R<sub>19</sub> independently of each other, is selected from:

hydrogen;

5 (C<sub>1</sub>-C<sub>6</sub>)alkyl;

phenyl;

trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl;

halo;

NH<sub>2</sub>;

10 (C<sub>1</sub>-C<sub>6</sub>)alkylN(H);

[(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>N, wherein each (C<sub>1</sub>-C<sub>6</sub>)alkyl moiety may be the same or different;

OR<sub>4</sub>;

SR<sub>4</sub>; and

15 C(=O)OR<sub>4</sub>;

R<sub>4</sub> is as defined above;

Y can contain 1 carbon-carbon double bond when two R<sub>18</sub> groups are absent and

m is an integer of from 2 to 8; and

Y can contain 2 carbon-carbon double bonds when four R<sub>18</sub> groups are absent or

20 three R<sub>18</sub> and one R<sub>19</sub> groups are absent and m is an integer of from 3 to 8; and

Y can contain 1 carbon-carbon triple bond when two each of R<sub>18</sub> and R<sub>19</sub> are absent and m is an integer of from 2 to 8; and

Y can contain 2 carbon-carbon triple bonds when four each of R<sub>18</sub> and R<sub>19</sub> are absent and m is an integer of from 4 to 8; and

25 One C(R<sub>18</sub>)(R<sub>19</sub>) group in Y can be replaced with O, N(H), N(C<sub>1</sub>-C<sub>6</sub>)alkyl, S, S(O), or S(O)<sub>2</sub>;

B is a group selected from:

phenyl;

30 an aromatic 5-membered or 6-membered monocyclic heterocycle comprising carbon atoms and from 1 to 4 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

a nonaromatic 5-membered or 6-membered monocycle comprising carbon atoms and from 0 to 4 heteroatoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

5       naphthyl;

an aromatic 8-membered to 12-membered bicyclic comprising two aromatic rings independently selected from 5-membered or 6-membered rings, wherein the rings may be the same or different and bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 1 to 6 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

10      an aromatic 8-membered to 12-membered bicyclic comprising one aromatic 5-membered or 6-membered ring and one non-aromatic 5-membered or 6-membered ring, wherein the rings may be bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 0 to 6 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl; and

15      a non-aromatic 8-membered to 12-membered bicyclic comprising two non-aromatic rings independently selected from 5-membered or 6-membered rings, wherein the rings may be the same or different and bonded or fused to each other, and wherein the bicyclic comprises carbon atoms and from 0 to 4 hetero atoms selected from O, S, N(H), and N-(C<sub>1</sub>-C<sub>10</sub>)alkyl;

20      r is an integer of from 0 to 7 inclusive,

Each R<sub>17</sub> may be the same or different and independently is selected from:

hydrogen;

(C<sub>1</sub>-C<sub>6</sub>)alkyl;

halo;

25      cyano;

nitro;

trihalo(C<sub>1</sub>-C<sub>6</sub>)alkyl;

NR<sub>10</sub>R<sub>11</sub>;

OR<sub>14</sub>;

30      SR<sub>14</sub>;

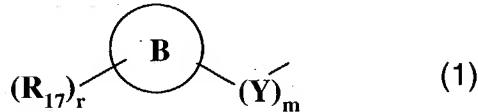
S(O)R<sub>14</sub>;

S(O)<sub>2</sub>R<sub>14</sub>;

(C<sub>1</sub>-C<sub>6</sub>)acyl;  
(CH<sub>2</sub>)<sub>k</sub>NR<sub>10</sub>R<sub>11</sub>;  
X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>NR<sub>10</sub>R<sub>11</sub>;  
(CH<sub>2</sub>)<sub>k</sub>SO<sub>2</sub>NR<sub>14</sub>R<sub>15</sub>;  
5 X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>C(=O)OR<sub>14</sub>;  
(CH<sub>2</sub>)<sub>k</sub>C(=O)OR<sub>14</sub>;  
X<sub>5</sub>(CH<sub>2</sub>)<sub>k</sub>C(=O)NR<sub>14</sub>R<sub>15</sub>;  
(CH<sub>2</sub>)<sub>k</sub>C(=O)NR<sub>14</sub>R<sub>15</sub>; and  
X<sub>6</sub>-R<sub>16</sub>, wherein X<sub>5</sub>, k, R<sub>10</sub>, R<sub>11</sub>, R<sub>14</sub>, R<sub>15</sub>, X<sub>6</sub>, and R<sub>16</sub> are as defined above.

10 2. The combination of Claim 1, wherein:

W<sub>2</sub> is (C<sub>1</sub>-C<sub>6</sub>)alkyl;  
W<sub>1</sub> is O; and  
R<sub>1</sub> is a group of formula (1)



15 wherein Y, B, R<sub>17</sub>, m, and r are as defined for Formula (A) in Claim 1.

3. The combination of Claim 1, wherein the compound of Formula (A) is selected from:

20 4-{6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-quinazolin-3-ylmethyl}-benzoic acid methyl ester;  
4-[1-methyl-2,4-dioxo-6-(3-phenyl-prop-1-ynyl)-1,4-dihydro-2H-quinazolin-3-ylmethyl]-benzoic acid;  
4-{6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-quinazolin-3-ylmethyl}-benzoic acid;  
25 4-{6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-pyrido[3,4-d]pyrimidin-3-ylmethyl}-benzoic acid;  
4-[1-methyl-2,4-dioxo-6-(3-phenyl-prop-1-ynyl)-1,4-dihydro-2H-pyrido[3,4-d]pyrimidin-3-ylmethyl]-benzoic acid;

4-benzyl-7-(3-phenyl-prop-1-ynyl)-4H-[1,2,4]triazolo[4,3-a]quinazolin-5-one;

4-benzyl-7-[3-(4-methoxy-phenyl)-prop-1-ynyl]-4H-[1,2,4]triazolo[4,3-a]quinazolin-5-one;

5 4-[7-[3-(4-methoxy-phenyl)-prop-1-ynyl]-5-oxo-5H-[1,2,4]triazolo[4,3-a]quinazolin-4-ylmethyl]-benzoic acid methyl ester;

4-[5-oxo-7-(3-phenyl-prop-1-ynyl)-5H-[1,2,4]triazolo[4,3-a]quinazolin-4-ylmethyl]-benzoic acid; and

10 4-(1-methyl-2,4-dioxo-6-(2-phenylethynyl)-1,4-dihydro-2H-quinazolin-3-ylmethyl)-benzoic acid;

or a pharmaceutically acceptable salt thereof, or an N-oxide thereof.

4. The combination of Claim 1, wherein the compound of Formula (A) is selected from:

15 4-[6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-quinazolin-3-ylmethyl]-benzoic acid methyl ester;

4-[1-methyl-2,4-dioxo-6-(3-phenyl-prop-1-ynyl)-1,4-dihydro-2H-quinazolin-3-ylmethyl]-benzoic acid;

20 4-[6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-quinazolin-3-ylmethyl]-benzoic acid;

4-[6-[3-(4-methoxy-phenyl)-prop-1-ynyl]-1-methyl-2,4-dioxo-1,4-dihydro-2H-pyrido[3,4-d]pyrimidin-3-ylmethyl]-benzoic acid;

4-[1-methyl-2,4-dioxo-6-(3-phenyl-prop-1-ynyl)-1,4-dihydro-2H-pyrido[3,4-d]pyrimidin-3-ylmethyl]-benzoic acid;

25 4-benzyl-7-(3-phenyl-prop-1-ynyl)-4H-[1,2,4]triazolo[4,3-a]quinazolin-5-one;

4-benzyl-7-[3-(4-methoxy-phenyl)-prop-1-ynyl]-4H-[1,2,4]triazolo[4,3-a]quinazolin-5-one;

30 4-[7-[3-(4-methoxy-phenyl)-prop-1-ynyl]-5-oxo-5H-[1,2,4]triazolo[4,3-a]quinazolin-4-ylmethyl]-benzoic acid methyl ester;

4-[5-oxo-7-(3-phenyl-prop-1-ynyl)-5H-[1,2,4]triazolo[4,3-a]quinazolin-4-ylmethyl]-benzoic acid; and

4-(1-methyl-2,4-dioxo-6-(2-phenylethynyl)-1,4-dihydro-2H-quinazolin -3-ylmethyl)-benzoic acid.

5. A pharmaceutical composition, comprising a combination of valdecoxib, or a pharmaceutically acceptable salt thereof, and an allosteric alkyne inhibitor of MMP-13, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier, diluent, or excipient.
10. A method of treating a disease or disorder selected from cartilage damage, inflammation, arthritis, and pain in a mammal, comprising administering to the mammal a therapeutically effective amount of a combination of valdecoxib, or a pharmaceutically acceptable salt thereof, and an allosteric alkyne inhibitor of MMP-13, or a pharmaceutically acceptable salt thereof.
15. 7. The method according to Claim 6, wherein the disease or disorder is rheumatoid arthritis.
8. The method according to Claim 6, wherein the disease or disorder is osteoarthritis.
20. 9. The method according to Claim 6, wherein the disease or disorder is joint inflammation.
25. 10. The method according to Claim 6, wherein the pain is joint pain.